

Flood Control Project Maintenance**2013 Structure Summary Report****Overall Unit and Item Ratings****DWR Sutter Maintenance Yard****Butte Slough Drainage Structure**

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Butte Slough Outfall Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Colusa Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Goose Lake Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	U

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Highland Canal Diversion Weir And Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	M
	Culverts: Inlets / Outlets	M
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Little Chico Creek Control And Weir Structures

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

M&T Ranch Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Middle Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	M
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Moulton Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Nelson Bend

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance**2013 Structure Summary Report****Overall Unit and Item Ratings****DWR Sutter Maintenance Yard (cont.)****Sutter Bypass Pumping Plant No. 1**

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Sutter Bypass Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	A
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Weir No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Tisdale Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Wadsworth Canal Weir No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Butte Slough Drainage Structure

Structure Rating	A
Date of Inspection	07/31/2013
DWR Inspector	Maksim Khashchuk
Accompanied By	Bryan Reniff Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure							07/31/2013 07/31/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: There is some vegetation and debris on the land side, but it does not impede the flow into the structure. The outfall is clear of vegetation.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation is present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Cobble is grouted in place around the outfall, appears to be in good condition.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No encroachments or obstructions present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: The culvert inlets and outlets are free of blockage and appear to convey the design flow.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	8
9	0.00	0.00	Structures	Metal Pipes		A	Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: There are no trash racks on this structure.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	10
11	0.00	0.00	Structures	Flap Gates		A	Inspector Comments: The flap gate appears to be in proper working condition.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: No sluice or slide gates are present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: No electric gate operators present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	13

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure							07/31/2013 07/31/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: No manual gate operators on this structure.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	14
15	0.00	0.00	Structures	Concrete Surfaces		N	Inspector Comments: No concrete surfaces to inspect. Grouted cobble has been addressed as a revetment.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		N	Inspector Comments: This does not apply to this structure.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	16
17	0.00	0.00	Structures	Concrete Foundations		N	Inspector Comments: No concrete foundation or structure present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: No security fencing present.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: Closure structure appears to be functioning and in working condition.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: There is no trash rake on this facility.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: No other metallic items other than the culvert.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: No joints to inspect.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: There are no safety issues, the facility is located well off of any path of travel. Safety hardware is unnecessary, there are no hazardous conditions that would affect the operation of the facility	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	23
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: O&M is available at the office.	39.197288 ° -121.943847 °	39.197288 ° -121.943847 °	24

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/31/2013 07/31/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Butte Slough Drainage structure on the land side.	
mkhashch_t_20130731_101.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Butte Slough Drainage structure outfall.	
mkhashch_t_20130731_102.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Butte Slough Drainage structure on the water side.	
mkhashch_t_20130731_103.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Butte Slough Outfall Structure

Structure Rating	A
Date of Inspection	07/31/2013
DWR Inspector	Maksim Khashchuk
Accompanied By	Bryan Reniff Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/31/2013 07/31/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: No vegetation obstructing structure or impeding flow.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No erosion or bank caving was observed on either the land or water side.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing cobble on landside appears to be in good condition and is clearly visible.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No encroachments or obstructions are visible.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: There does not appear to be sediment, debris or vegetation blocking the inlets or outlets.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: Culverts were submerged at the time of this inspection.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Pipes were fully submerged at the time of the inspection.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: No trash racks on this structure.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Flap gates were fully submerged at the time of this inspection.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		A	Inspector Comments: Gates appear to be operating normally.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: No electric gate operators at this facility.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Manual gate operators appear to be in good working condition, they are lubricated and appear to move freely.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	14

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure							07/31/2013 07/31/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Concrete appears to be in very good shape, no visible spalling, cracking or scaling.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No evidence of tilting sliding or settlement.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No evidence of erosion, scouring or undermining near the structure.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: There is a security gate on the road, but no security fencing to inspect.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: There is no separate closure structure aside from the manually operated sluice gates on the waterside of the structure.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: No trash rake at this structure.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	20
21	0.00	0.00	Structures	Other Metallic Items		A	Inspector Comments: Metal railings and catwalks are painted or coated to prevent corrosion.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: Joints appear to be in good condition.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Railing is in place at manual sluice gate controls.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	23
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: O&M is available at the office.	39.194972 ° -121.936088 °	39.194972 ° -121.936088 °	24

*** Location**

LS : Land Side
WS : Water Side
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**** Rating**

A : Acceptable
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C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/31/2013 07/31/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

View of the Butte Slough Outfall Structure on the water side.

mkhashch_t_20130731_099.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

View of the Butte Slough Outfall Structure on the land side.

mkhashch_t_20130731_100.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
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CO : Completely Obstructing
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Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Colusa Weir

Structure Rating	A
Date of Inspection	08/01/2013
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Colusa Weir							08/01/2013 08/01/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N		39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: The trash and debris has been removed.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	14

*** Location**

LS : Land Side
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**** Rating**

A : Acceptable
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PO : Partially Obstructing
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Colusa Weir							08/01/2013 08/01/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Negligible spalling, scaling or cracking.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: Negligible spalling, scaling or cracking.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	20
21	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolith joint material is in good condition.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	23
24	0.00	0.00	Structures	Other Metallic Items		A	Inspector Comments: All handrails and guard rails are free of corrosion that would affect safety.	39.232135 ° -121.996253 °	39.232135 ° -121.996253 °	24

*** Location**

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**** Rating**

A : Acceptable
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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/01/2013 08/01/2013	Matthew Hoffman

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This view is of the Colusa Weir structure from the right bank of the levee.

mhoffman_t_20130807_054.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is the upstream view of the Colusa Weir structure.

mhoffman_t_20130807_055.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is the downstream view of the Colusa Weir structure.

mhoffman_t_20130807_056.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Goose Lake Overflow Structure

Structure Rating	M
Date of Inspection	08/01/2013
DWR Inspector	Bob Duffey
Accompanied By	Jason Copper Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End		Inspector	
Goose Lake Overflow Structure							08/01/2013 08/01/2013		Bob Duffey	

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation	CR	N		39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	1
2	0.00	0.00	Structures	Vegetation & Obstructions	LS	M	Inspector Comments: Spray the vegetation for approximately 100 feet on both sides of the weir.	39.569247 ° -121.982569 °	39.569247 ° -121.982569 °	2 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation	LS	A	Inspector Comments: No shoaling or sedimentation present.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving	LS	A	Inspector Comments: No active erosion.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	4
5	0.00	0.00	Structures	Revetments	LS	A	Inspector Comments: Existing riprap protection is properly maintained.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	5
6	0.00	0.00	Structures	Encroachments	LS	A	Inspector Comments: There are no debris at this location.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	8
9	0.00	0.00	Structures	Metal Pipes	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	9
10	0.00	0.00	Structures	Trash Racks	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	10
11	0.00	0.00	Structures	Flap Gates	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	12
13	0.00	0.00	Structures	Electric Gate Operators	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	13
14	0.00	0.00	Structures	Manual Gate Operators	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	14

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End		Inspector	
Goose Lake Overflow Structure							08/01/2013 08/01/2013		Bob Duffey	

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
15	0.00	0.00	Structures	Concrete Surfaces	LS	A	Inspector Comments: Farm equipment needs to stay off of the weir due to prevent further damage to the concrete surface.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	15 Y
16	0.00	0.00	Structures	Concrete Tilting / Settlement	LS	A	Inspector Comments: There are no surface areas of tilting.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	16
17	0.00	0.00	Structures	Concrete Foundations	LS	A	Inspector Comments: There is no erosion or undermining near the structure.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	17
18	0.00	0.00	Structures	Security Fencing	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	18
19	0.00	0.00	Structures	Closure Structures	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	19
20	0.00	0.00	Structures	Trash Rakes	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	20
21	0.00	0.00	Structures	Other Metallic Items	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	21
22	0.00	0.00	Structures	Monolith Joints	LS	N	Inspector Comments: This item does not apply to this inspection.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	22
23	0.00	0.00	Structures	Operation & Maintenance Manual	LS	U	Inspector Comments: The weir has not been maintained in several years.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	23
24	0.00	0.00	Structures	Safety	LS	A	Inspector Comments: The yard maintains good safety procedures and no hazards were observed.	39.569248 ° -121.982569 °	39.569248 ° -121.982569 °	24

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/01/2013 08/01/2013	Bob Duffey

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions

View of the vegetation on both sides of the weir.

rduffey_t_20130827_012.JPG



Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Concrete Surfaces

View of the concrete crown roadway on top of the weir.

rduffey_t_20130827_013.JPG



*** Location**

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U : Unacceptable
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C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Highland Canal Diversion Weir And Drainage Structure

Structure Rating	A
Date of Inspection	08/06/2013
DWR Inspector	Pavel Kazi
Accompanied By	Brian Stringer Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure							08/06/2013 08/06/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: Highland Canal Diversion Weir works as a control point that diverts water through a culvert during high water season.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		M	Inspector Comments: There were vegetation growth such as cat tails and bushes in the structure which might impede the flow of the water through the culvert.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	2 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No Shoaling or sedimentation was present.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or active bank caving was observed around the structure.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	4
5	0.00	0.00	Structures	Revetments		N	Inspector Comments: No riprap was present at this structure.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	5
6	0.00	0.00	Structures	Encroachments		M	Inspector Comments: Minimal debris was found on outlet of the structure.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	6 Y
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		M	Inspector Comments: Vegetation was blocking less than 10% of the culverts opening.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	7 Y
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: There were no visible breaks, holes or cracks were detected in the culvert.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	8
9	0.00	0.00	Structures	Metal Pipes		A	Inspector Comments: The outlet pipes appeared to be in a good condition.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	9 Y
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	10
11	0.00	0.00	Structures	Flap Gates		A	Inspector Comments: The flap gates appeared to be in working condition.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	11 Y
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	13

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure							08/06/2013 08/06/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Manual gate operator appeared to be in good working condition.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: There were minimal cracking and scaling on the concrete structure but it didn't threaten the structural integrity.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	15 Y
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There was no settlement or tilting observed that threaten the structure.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring or erosion was found near the structure.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not apply to this inspection.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: Closure structure was in good condition.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolith joints material were in good condition.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: There were no safety hazard around the structure.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	23
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: The district has the O&M manual in their office.	39.126317 ° -122.882733 °	39.126317 ° -122.882733 °	24

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/06/2013 08/06/2013	Pavel Kazi

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

View of the weir.

pkazi_t_20130820_314.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

Alternate view of the weir.

pkazi_t_20130820_323.JPG



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions

View of the vegetation growth on the inlet of the structure.

pkazi_t_20130820_316.JPG

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/06/2013 08/06/2013	Pavel Kazi

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions

View of vegetation on the outlet of the structure.

pkazi_t_20130820_317.JPG



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Encroachments

View of the debris at the culvert outlet.

pkazi_t_20130820_318.JPG



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Culverts: Inlets / Outlets

View of the vegetation at the inlet of the culvert.

pkazi_t_20130820_319.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/06/2013 08/06/2013	Pavel Kazi

Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Metal Pipes

View of the outlet pipes.

pkazi_t_20130820_320.JPG



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Flap Gates

View of one of the flap gates.

pkazi_t_20130820_321.JPG



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Flap Gates

View of another flap gate.

pkazi_t_20130820_322.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/06/2013 08/06/2013	Pavel Kazi

Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces

View of the concrete structure.

pkazi_t_20130820_324.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Little Chico Creek Control And Weir Structures

Structure Rating	A
Date of Inspection	07/30/2013
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/30/2013 07/30/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N		39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		M	Inspector Comments: There is some vegetation, a few small trees, and some debris on the weir. The flow may be impeded.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	2 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: There is shoaling and sedimentation, the flow does not appear to be impeded.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No erosion observed.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Riprap seemed to be in place and sufficient.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No encroachments observed.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Manual gate operators appear to be in good condition.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	14

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/30/2013 07/30/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: The concrete surface appears to be in good condition.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No significant areas of tilting, sliding of settlement.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: The concrete foundation appears to be in good condition.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not apply to this inspection.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: The closure structure appears to be in good condition.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: Monolith joints appear to be in good condition.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Hand rails are installed.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	23
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.	39.733767 ° -121.771915 °	39.733767 ° -121.771915 °	24

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/30/2013 07/30/2013	Matthew Hoffman

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a picture of the weir.

mhoffman_t_20130805_030.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a photo of the control structure.

mhoffman_t_20130805_033.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a photo of the downstream side of the control structure.

mhoffman_t_20130805_034.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/30/2013 07/30/2013	Matthew Hoffman

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions

This is a view looking upstream.

mhoffman_t_20130820_064.JPG



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions

This is a view looking downstream.

mhoffman_t_20130820_065.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
M&T Ranch Overflow Structure

Structure Rating	A
Date of Inspection	08/01/2013
DWR Inspector	Bob Duffey
Accompanied By	Jason Copper Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/01/2013 08/01/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation	WS	N		39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	1
2	0.00	0.00	Structures	Vegetation & Obstructions	WS	M	Inspector Comments: The vegetation should be sprayed back approximately 20 feet from both sides of the weir.	39.674690 ° -121.947013 °	39.674690 ° -121.947013 °	2 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation	WS	A	Inspector Comments: There is no shoaling or sedimentation present.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving	WS	M	Inspector Comments: The soil erosion on the upstream side of the weir needs repair.	39.668789 ° -121.957170 °	39.668789 ° -121.957170 °	4 Y
5	0.00	0.00	Structures	Revetments	WS	A	Inspector Comments: Existing riprap protection is properly maintained.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	5
6	0.00	0.00	Structures	Encroachments	WS	A	Inspector Comments: There are no debris along the riprap.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	8
9	0.00	0.00	Structures	Metal Pipes	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	9
10	0.00	0.00	Structures	Trash Racks	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	10
11	0.00	0.00	Structures	Flap Gates	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	12
13	0.00	0.00	Structures	Electric Gate Operators	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	13
14	0.00	0.00	Structures	Manual Gate Operators	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	14

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure							08/01/2013 08/01/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
15	0.00	0.00	Structures	Concrete Surfaces	WS	A	Inspector Comments: There is no spalling or cracking at the site.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement	WS	A	Inspector Comments: There are no significant areas of tilting at this site.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	16
17	0.00	0.00	Structures	Concrete Foundations	WS	A	Inspector Comments: There is no erosion or undermining of the structure.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	17
18	0.00	0.00	Structures	Security Fencing	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	18
19	0.00	0.00	Structures	Closure Structures	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	19
20	0.00	0.00	Structures	Trash Rakes	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	20
21	0.00	0.00	Structures	Other Metallic Items	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	21
22	0.00	0.00	Structures	Monolith Joints	WS	N	Inspector Comments: This item does not apply to this inspection.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	22
23	0.00	0.00	Structures	Safety	WS	A	Inspector Comments: Sutter Maintenance Yard has a safety program in place.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	23
24	0.00	0.00	Structures	Operation & Maintenance Manual	WS	A	Inspector Comments: No O&M Manual containing operation and maintenance guidelines exists for this structure.	39.674690 ° -121.947010 °	39.674690 ° -121.947010 °	24

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/01/2013 08/01/2013	Bob Duffey

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Structures
Item	Vegetation & Obstructions

View of the vegetation that is next to the weir.

rduffey_t_20130827_014.JPG



Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Structures
Item	Erosion / Bank Caving

View of the erosion of the material that was placed on the upstream side of the weir.

rduffey_t_20130827_015.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Middle Creek Pumping Plant

Pumping Plant Rating	A
Date of Inspection	08/06/2013
DWR Inspector	Pavel Kazi
Accompanied By	Brian Stringer Sutter Maintenance Yard (DWR)

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End		Inspector	
Middle Creek Pumping Plant							08/06/2013 08/06/2013		Pavel Kazi	

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Pump Stations	Operating Log		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The operation log was up to date and present at the pump station.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	1 Y
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The O&M manual was present at the pumping plant.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	2 Y
3	0.00	0.00	Pump Stations	Plant Building		M	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had a sign of differential settlement.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	3 Y
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Cellular phone was available to the pump station operator.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	4 Y
5	0.00	0.00	Pump Stations	Safety		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No safety hazard was present around the plant. All of the rail guards and fences were secured and in good condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	5 Y
6	0.00	0.00	Pump Stations	Cranes		N	Inspector Comments: Crane doesn't exist at this location.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	6 Y
7	0.00	0.00	Pump Stations	Pumps		A	Inspector Comments: The pumps appeared to be in good working condition and properly maintained including proper lubrication level. The pump was turned on during the inspection.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	7 Y
8	0.00	0.00	Pump Stations	Power		A	Inspector Comments: The power source appeared to be reliable and safe.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	8 Y
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		N	Inspector Comments: There were no motors or fans present at this plant other than the pumps.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	10 Y
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Inspector Comments: The pump control systems appeared to be operational and free of damages.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	11 Y
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Inspector Comments: Wet wells were clear of debris.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	12 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure							Structure Length	Inspection Start/End	Inspector	
Middle Creek Pumping Plant								08/06/2013 08/06/2013	Pavel Kazi	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
12	0.00	0.00	Pump Stations	Trash Racks		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Trash racks appeared to be in good condition and free of debris.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	13 Y
13	0.00	0.00	Pump Stations	Trash Rakes		N	Inspector Comments: Trask rake deosn't exist at this location.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	14
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Inspector Comments: The slide gates appeared to be in a good working condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	15 Y
15	0.00	0.00	Pump Stations	Electric Gate Operators		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No electric gate operator was present in this plant.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	16
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The manual gate operator appeared to be in good working condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	17 Y
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All other metallic parts appeared to be in good condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	18
18	0.00	0.00	Pump Stations	Flap Gates		A	Inspector Comments: Flap gate doesn't exist at this location instead a backflow prevention device is used to perform similar task as the flap gates.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	19
19	0.00	0.00	Pump Stations	Closure Structures		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Closure structure doesn't exist in this plant.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	20
20	0.00	0.00	Pump Stations	Security Fencing		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Security fencing appeared to be in good condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	21 Y
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Inspector Comments: The pipes appeared to be in good working condition.	39.142300 ° -122.902350 °	39.142300 ° -122.902350 °	22

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/06/2013 08/06/2013	Pavel Kazi

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Operating Log

View of the operation log.

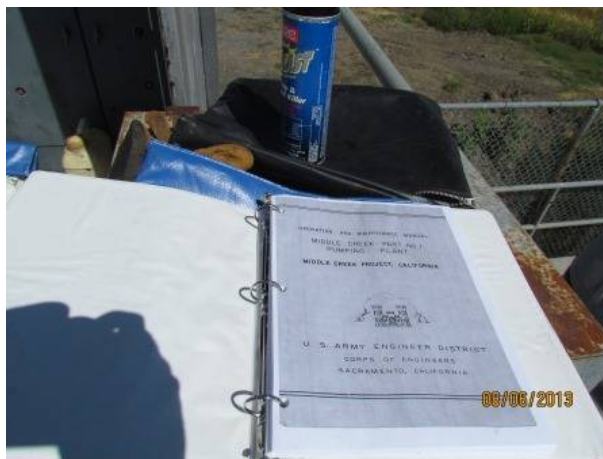
pkazi_t_20130819_288.JPG



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Operation & Maintenance Manual

View of the O&M manual.

pkazi_t_20130819_289.JPG



Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building

View of the pumping plant.

pkazi_t_20130819_290.JPG

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/06/2013 08/06/2013	Pavel Kazi

Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building

View of the settlement next to the pumping plant.

pkazi_t_20130819_291.JPG



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Safety

View of the guard rails around the pumping plant.

pkazi_t_20130819_293.JPG



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of the pumps.

pkazi_t_20130819_294.JPG



*** Location**

LS : Land Side
WS : Water Side
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**** Rating**

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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/06/2013 08/06/2013	Pavel Kazi

Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of a pump.

pkazi_t_20130819_295.JPG



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of bottom of a pump.

pkazi_t_20130819_296.JPG



Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power

View of the power source of the plant.

pkazi_t_20130819_297.JPG

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/06/2013 08/06/2013	Pavel Kazi

Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the pump control systems.

pkazi_t_20130819_298.JPG



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well

View of the wet well.

pkazi_t_20130819_299.JPG



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks

View of the trash racks.

pkazi_t_20130819_300.JPG



*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/06/2013 08/06/2013	Pavel Kazi

Levee Mile Report Line	14
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sluice / Slide Gates

View of the slide gates.

pkazi_t_20130819_301.JPG



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

View of the manual operator at the plant.

pkazi_t_20130819_302.JPG



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

View of the manual operator at the plant.

pkazi_t_20130819_303.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable
U : Unacceptable
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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/06/2013 08/06/2013	Pavel Kazi

Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing

View of the security fencing around the plant.

pkazi_t_20130819_304.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Moulton Weir

Structure Rating	A
Date of Inspection	08/01/2013
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/01/2013 08/01/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N		39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	14

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/01/2013 08/01/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Negligible spalling, scaling or cracking.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolith joint material is in good condition.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	23
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.	39.338242 ° -122.022073 °	39.338242 ° -122.022073 °	24

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/01/2013 08/01/2013	Matthew Hoffman

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a view of the Moulton Weir taken from the right bank levee.

mhoffman_t_20130807_042.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is an upstream view of the Moulton Weir.

mhoffman_t_20130807_043.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a downstream view of the Moulton Weir.

mhoffman_t_20130807_044.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Nelson Bend

Structure Rating	A
Date of Inspection	08/08/2013
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Nelson Bend							08/08/2013 08/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: North end 38.89550 -121.61695, South end 38.88745 -121.61533	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		M	Inspector Comments: Minimal, scattered obstructions or vegetation. The vegetation should be cleared and trees trimmed up. My impede flow in a high water event.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the waterside of the levee / channel.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: Minor trash, debris, excavation, structures, or other obstructions present within the easement.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: Item does not exist on this structure	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	14
15	0.00	0.00	Structures	Concrete Surfaces		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	15

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Nelson Bend							08/08/2013 08/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
16	0.00	0.00	Structures	Concrete Tilting / Settlement		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	16
17	0.00	0.00	Structures	Concrete Foundations		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: Item does not exist on this structure.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No hazards present.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	23
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.	38.895500 ° -121.616950 °	38.887450 ° -121.615330 °	24

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/08/2013 08/08/2013	Matthew Hoffman

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This view is from the north end of the structure looking south.

mhoffman_t_20130812_063.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a view of the vegetation in and around the weir.

mhoffman_t_20130820_066.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 1

Pumping Plant Rating	A
Date of Inspection	08/06/2013
DWR Inspector	Maksim Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure							Structure Length	Inspection Start/End		Inspector	
Sutter Bypass Pumping Plant No. 1								08/06/2013 08/06/2013		Maksim Khashchuk	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
1	0.00	0.00	Pump Stations	Operating Log		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The operating log is currently being kept at the Sutter Maintenance yard during the pump plant reconstruction.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	1	
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The O & M manual is currently being kept at the Sutter Maintenance yard during the pump plant reconstruction.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	2	
3	0.00	0.00	Pump Stations	Plant Building		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Plant building is mostly complete and appears to be in good working order. The project is currently under construction.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	3 Y	
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Cell phones and two-way radios are available to pump station operators. The remote control system is currently being tested and should be ready by the start of flood season.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	4	
5	0.00	0.00	Pump Stations	Safety		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear).	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	5	
6	0.00	0.00	Pump Stations	Cranes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Cranes are not present at this site.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	6	
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pumps appear to be properly maintained and in working condition.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	7	
8	0.00	0.00	Pump Stations	Power		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The structure is on the grid with emergency backup generator.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	8 Y	
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: These items appear to be maintained and in operating condition.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	10 Y	
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pump control systems on site are new and appear to be in working order.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	11 Y	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1							08/06/2013 08/06/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Sumps are clear and free of debris.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	12
12	0.00	0.00	Pump Stations	Trash Racks		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No debris present on trash racks, they appear to be in good condition.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	13 Y
13	0.00	0.00	Pump Stations	Trash Rakes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No trash rake at this site.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	14
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Sluice gates appear to be in good working order.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	15
15	0.00	0.00	Pump Stations	Electric Gate Operators		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are not present at the site during construction.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	16
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual gate operators appear to be in good working condition.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	17 Y
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: These items appear to be in good condition and should not prevent the structure from performing as intended.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	18
18	0.00	0.00	Pump Stations	Flap Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	19 Y
19	0.00	0.00	Pump Stations	Closure Structures		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No closure structure present at this location.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	20
20	0.00	0.00	Pump Stations	Security Fencing		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Site is currently secured by a masonry brick wall.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	21 Y
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No visible deficiencies observed in the pipe's condition.	38.931770 ° -121.634200 °	38.931770 ° -121.634200 °	22 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building

View of plant building under construction.

mkhashch_t_20130730_035.JPG



Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power

View of the emergency backup generator.

mkhashch_t_20130815_120.JPG



Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers

Photo shows pump motors, which appear to be in operating condition.

mkhashch_t_20130815_121.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the control room.

mkhashch_t_20130815_122.JPG



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks

Photo shows properly maintained trash rack.

mkhashch_t_20130815_123.JPG



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

Photo shows sluice gate operators. Note: operators can be operated either mechanically or manually.

mkhashch_t_20130815_124.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates
Photo shows flap gates and concrete outfall structure.	
mkhashch_t_20130815_125.JPG	



Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing
Photo shows masonry brick wall which encloses the pump plant.	
mkhashch_t_20130815_126.JPG	



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
08/24/2011 Photo shows pump intake pipe, typical.	
mkhashch_t_20130730_048.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
07/20/2012 Photo shows pump intake pipe, typical.	
mkhashch_t_20130730_049.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 2

Pumping Plant Rating	A
Date of Inspection	08/06/2013
DWR Inspector	Maksim Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2							08/06/2013 08/06/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Pump Stations	Operating Log		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Operation log is not at the site, due to construction, Operation Log is being kept at Sutter Yard.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: O & M manual is not at the site due to construction; O & M manual is being kept at Sutter Yard.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	2
3	0.00	0.00	Pump Stations	Plant Building		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Plant building is currently under construction. Minor concrete spalling has been noted but it should not prevent the structure from performing as intended.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	3 Y
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control system is currently being tested and should be ready by the start of flood season.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	4
5	0.00	0.00	Pump Stations	Safety		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear). Some of the hazards may include moving equipment.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	5
6	0.00	0.00	Pump Stations	Cranes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Cranes are not present at this site.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	6
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pumps appear to be in good working order.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	7 Y
8	0.00	0.00	Pump Stations	Power		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The structure is on the grid with emergency backup generator.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	8 Y
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: These items appear to be maintained and in operating condition.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	10
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pump control systems on site are new and appear to be in working order.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	11 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2							08/06/2013 08/06/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Inspector Comments: Vegetation noted in one (of six) sumps, but this does not appear to be enough to inhibit pump operation.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	12 Y
12	0.00	0.00	Pump Stations	Trash Racks		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Trash rack is secure and free of debris.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	13 Y
13	0.00	0.00	Pump Stations	Trash Rakes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No trash rake at this site.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	14
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Sluice gates appear to be properly maintained and operational.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	15
15	0.00	0.00	Pump Stations	Electric Gate Operators		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are not present at the site during construction.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	16
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual gate operators appear to be in good working condition.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	17 Y
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All other metal parts that were visible are corrosion protected.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	18
18	0.00	0.00	Pump Stations	Flap Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	19 Y
19	0.00	0.00	Pump Stations	Closure Structures		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No closure structure present at this location.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	20
20	0.00	0.00	Pump Stations	Security Fencing		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Site is currently secured by a masonry brick wall.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	21 Y
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No visible deficiencies observed in the pipe's condition.	39.026350 ° -121.726870 °	39.026350 ° -121.726870 °	22 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building
View of the exposed rebar. LMA noted the deficiency and will repair by next inspection.	
mkhashch_t_20130815_120.JPG	



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps
View of the pumps.	
mkhashch_t_20130815_111.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power
View of the emergency backup generator with accessible fire extinguisher.	
mkhashch_t_20130815_112.JPG	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the new control building in the background.

mkhashch_t_20130815_113.JPG



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well

Photo shows one sump with vegetation present.

mkhashch_t_20130815_114.JPG



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks

Photo shows row of trash racks (six).

mkhashch_t_20130815_115.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

Photo shows controls for sluice gates.

mkhashch_t_20130815_116.JPG



Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates

View of the flap gates.

mkhashch_t_20130815_117.JPG



Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing

Photo shows masonry block wall which encloses the site.

mkhashch_t_20130815_118.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes

View of the intake structure.

mkhashch_t_20130815_119.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 3

Pumping Plant Rating	A
Date of Inspection	08/06/2013
DWR Inspector	Maksim Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		08/06/2013 08/06/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Pump Stations	Operating Log		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Operation log is not at the site, due to construction, Operation Log is being kept at Sutter Yard.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: O & M manual is not at the site due to construction; O & M manual is being kept at Sutter Yard.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	2
3	0.00	0.00	Pump Stations	Plant Building		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Plant building appears to be in good working condition. The project is currently under construction.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	3
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control system is currently being tested and should be ready by the start of flood season.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	4
5	0.00	0.00	Pump Stations	Safety		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear). Some of the hazards may include moving equipment.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	5
6	0.00	0.00	Pump Stations	Cranes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Cranes are not present at this site.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	6
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pumps appear to be properly maintained and in working condition.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	7
8	0.00	0.00	Pump Stations	Power		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The structure is on the grid with emergency generator backup.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	8 Y
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: These items appear to be maintained and in operating condition.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	10 Y
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pump control systems on site are new and appear to be in working order.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	11 Y

*** Location**

LS : Land Side
WS : Water Side
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**** Rating**

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N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure							Structure Length	Inspection Start/End		Inspector	
Sutter Bypass Pumping Plant No. 3								08/06/2013 08/06/2013		Maksim Khashchuk	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Sumps are clear and free of debris.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	12	
12	0.00	0.00	Pump Stations	Trash Racks		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No debris present on trash racks, they appear to be in good condition.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	13 Y	
13	0.00	0.00	Pump Stations	Trash Rakes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No trash rake at this site.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	14	
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Sluice gates appear to be in good working order.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	15	
15	0.00	0.00	Pump Stations	Electric Gate Operators		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Item does not apply, gate operators are manual only.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	16	
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual gate operators appear to be in good working condition.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	17 Y	
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All, other metal parts that were visible are corrosion protected.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	18	
18	0.00	0.00	Pump Stations	Flap Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Flap gates appear to be in proper working condition, they show no signs of corrosion or damage.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	19 Y	
19	0.00	0.00	Pump Stations	Closure Structures		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No closure structure present at this location.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	20	
20	0.00	0.00	Pump Stations	Security Fencing		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Site is currently secured by a masonry brick wall.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	21 Y	
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No visible deficiencies observed in the pipe's condition.	39.120180 ° -121.779150 °	39.120180 ° -121.779150 °	22 Y	

*** Location**

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**** Rating**

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C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power

View of the emergency backup generator with accessible fire extinguisher.

mkhashch_t_20130815_104.JPG



Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers

Photo shows motors which appear to be maintained and in good working condition.

mkhashch_t_20130815_105.JPG



Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the new control room.

mkhashch_t_20130815_106.JPG



*** Location**

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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks
Photo shows trash rack free of debris and other material.	
mkhashch_t_20130815_107.JPG	



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators
Photo shows manual gate operators.	
mkhashch_t_20130815_108.JPG	



Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates
Photo shows flap gates and concrete outfall structure.	
mkhashch_t_20130815_109.JPG	

*** Location**

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C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		08/06/2013 08/06/2013	Maksim Khashchuk

Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing
Photo shows masonry brick wall which encloses the entire structure.	
mkhashch_t_20130815_110.JPG	



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
08/24/2011 Photo shows Intake pipe, typical.	
mkhashch_t_20130730_081.jpg	



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Intake and Discharge Pipes
07/20/2012 Photo shows Intake structure.	
mkhashch_t_20130730_082.JPG	

*** Location**

LS : Land Side
WS : Water Side
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N : Not Inspected, see Inspector Comment

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Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Sutter Bypass Weir No. 2

Structure Rating	A
Date of Inspection	08/08/2013
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/08/2013 08/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: This weir is being replaced, the new weir is in the process of being built on the downstream side of weir number 2. Permit No. 18400 (CVFPB) issued 10-30-2008.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	6 Y
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		A	Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	12

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected, see Inspector Comment
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2							08/08/2013 08/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Negligible spalling, scaling, and cracking.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are readily available at all times. Components of closure clearly marked and installation instructions / procedures readily available.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolith joint material is in good condition.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2							08/08/2013 08/08/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.	39.102763 ° -121.758738 °	39.102763 ° -121.758738 °	24

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/08/2013 08/08/2013	Matthew Hoffman

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The view from upstream of the Sutter Bypass Weir #2.

mhoffman_t_20130812_058.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The view from downstream of the Sutter Bypass Weir #2.

mhoffman_t_20130812_059.JPG



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is a view of the Sutter Bypass Weir #2.

mhoffman_t_20130812_061.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/08/2013 08/08/2013	Matthew Hoffman

Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Encroachments

The replacement weir.

mhoffman_t_20130812_060.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
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N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Tisdale Weir

Structure Rating	A
Date of Inspection	08/01/2013
DWR Inspector	Matthew Hoffman
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/01/2013 08/01/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Structures	Photo Documentation		N		39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered logs in the weir and on the upstream side. The flow is not impeded.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: Minimal shoaling or sedimentation present.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: There is some debris in the channel.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	14

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/01/2013 08/01/2013	Matthew Hoffman

LWR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Minimal spalling, scaling or cracking on main surface of structure and wing walls.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	15 Y
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolith joint material is in good condition.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Exposed rebar needs to be cut flush with existing concrete surface.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	23
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.	39.026713 ° -121.821995 °	39.026713 ° -121.821995 °	24

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/01/2013 08/01/2013	Matthew Hoffman

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
This view is of the Tisdale Weir from the right bank levee.	
mhoffman_t_20130807_045.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Concrete cracking along the south wing wall.	
mhoffman_t_20130807_046.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Exposed rebar within the structure.	
mhoffman_t_20130807_047.JPG	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/01/2013 08/01/2013	Matthew Hoffman

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Minor debris still present within structure from prior event.	
mhoffman_t_20130807_048.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
The view downstream from the structure.	
mhoffman_t_20130807_049.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
The view upstream from the structure.	
mhoffman_t_20130807_050.JPG	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/01/2013 08/01/2013	Matthew Hoffman

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Minor concrete spalling present.	
mhoffman_t_20130807_051.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Minor debris still present from previous event.	
mhoffman_t_20130807_052.JPG	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Exposed rebar with lengths in excess of 6 feet. Should be cut off flush with concrete surface.	
mhoffman_t_20130807_053.JPG	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/01/2013 08/01/2013	Matthew Hoffman

Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces

This photo shows some surface damage.

mhoffman_t_20130723_029.jpg



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Flood Control Project Maintenance**Unit Cover Sheet****2013 Structure Inspection Results****DWR Sutter Maintenance Yard**

Structure
Wadsworth Canal Weir No. 4

Structure Rating	A
Date of Inspection	08/07/2013
DWR Inspector	Bob Duffey
Accompanied By	Tim Shill DWR Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4							08/07/2013 08/07/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: There is no vegetation that would impact the flow of water.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	1
2	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: There is no shoaling or sedimentation present.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	2
3	0.00	0.00	Structures	Erosion / Bank Caving		M	Inspector Comments: Repair all erosion along the channel before winter.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	3 Y
4	0.00	0.00	Structures	Revetments		A	Inspector Comments: Extending riprap protection is properly maintained.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	4
5	0.00	0.00	Structures	Encroachments		A	Inspector Comments: There are no debris obstructing the structure.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	5
6	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	6
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	7
8	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	8
9	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	9
10	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	10
11	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	11
12	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	12
13	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	13
14	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: There is no spalling or cracking of the structure.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	14

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		08/07/2013 08/07/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	15
16	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: There is some erosion on the downstream side near the structure.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	16
17	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: There is a security fence around the structure.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	17
18	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: The levee is in good condition next to the structure.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	18
19	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	19
20	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	20
21	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The mortar joint material is in good condition.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	21
22	0.00	0.00	Structures	Safety		A	Inspector Comments: Sutter Maintenance Yard has a safety program in place.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	22
23	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: Upstream side of the structure is clear of debris.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	23 Y
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: The yard has a copy of the O&M Manual.	39.153325 ° -121.734122 °	39.153325 ° -121.734122 °	24

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		08/07/2013 08/07/2013	Bob Duffey

Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Erosion / Bank Caving
View of the downstream side of the Wadsworth Canal Weir No. 4 showing erosion along channel.	
rduffey_t_20130819_010.JPG	



Levee Mile Report Line	23
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
View of the upstream side of the Wadsworth Canal Weir No. 4.	
rduffey_t_20130819_011.JPG	

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